



# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

3002-2US

Application Number

USSN 09/976,059

Applicant(s)

Chris M. Farnet et al.

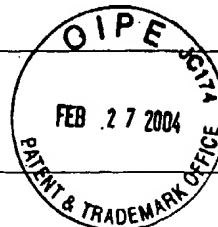
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October 15, 2001

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)



KK

C3

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duplicate

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"From Genes to Molecules"

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C6

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"Modular peptide synthetases involved in nonribosomal peptide synthesis"

EXAMINER

*Kathleen Ka*

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5/18/04

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<b>KL</b>	A2	<b>4,303,646</b>					
<b>KL</b>	A2	<b>4,427,656</b>					

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
<b>KL</b>	B1	<b>EP259780</b>						

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


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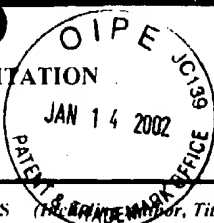
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"Targeted alteration of the substrate specificity of peptide synthetases by rational module swapping"

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de Ferra et al., 1997, *J. Biol. Chem.*, Vol. 272, pp. 25304-25309  
"Engineering of Peptide Synthetases"

C12

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*Keth L. de*

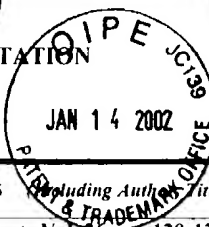
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- |    |     |   |
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|    | C14 | Scott-Craig et al., 1992, <i>J. Biol. Chem.</i> , Vol. 267, pp. 26044-26049<br>"The Cyclic Peptide Synthetase Catalyzing HC-toxin Production in the Filamentous Fungus <i>Cochliobolus carbonum</i> Is Encoded by a 15.7-Kilobase Open Reading Frame" |
|    | C15 | Pfeifer et al., 1995, <i>Biochem.</i> , Vol. 34, pp. 7450-7459<br>"Characterization of Tyrocin Synthetase 1 (TY1): Requirement of Posttranslational Modification for Peptide Biosynthesis"  |
|    | C16 | Stein et al., 1995, <i>Biochem.</i> , Vol. 34, pp. 4633-4642<br>"Gramicidin S Synthetase 1 (Phenylalanine Racemase), a Prototype of Amino Acid Racemases Containing the Cofactor 4-Phosphopantetheine"  |
|    | C17 | Chung et al., 1986, <i>J. Antibiotics</i> , Vol. 1986, pp. 642-651<br>"Biosynthetic studies of aridicin antibiotics"  |
|    | C18 | Hosoda et al., 1977, <i>Agric. Biol. Chem.</i> , Vol. 41, pp. 2007-2012<br>"Incorporation of 34C-Amino Acids into Nocardicin A by Growing Cells"  |
|    | C19 | van Wageningen et al., 1997, <i>Chem. Biol.</i> , Vol. 5, pp. 155-162<br>"Sequencing and analysis of genes involved in the biosynthesis of a vancomycin group antibiotic"   |
|    | C20 | Casey & Davidson, <i>Nucl. Acid Res.</i> (1977) Vol.4, pp. 1539-1552<br>"Rates of formation and thermal stabilities of RNA:DNA and DNA. DNA duplexes at high concentrations of formamide"   |
|    | C21 | Towbin et al., <i>Proc. Natl. Acad. Sci. USA</i> , (1979) 76:4350<br>"Electrophoretic transfer of proteins from polyacrylamide gels to nitrocellulose sheets: Procedure and some applications"  |
|    | C22 | Laemmli, <i>Nature</i> (1970) 227:680<br>"Cleavage of Structural Proteins during the Assembly of the Head of Bacteriophage T4"  |
|    | C23 | Kunkel et al., <i>Proc. Natl. Acad. Sci. USA</i> (1985) 82:488<br>"Rapid and efficient site-specific mutagenesis without phenotypic selection"  |
| ✓  | C24 | Nielsen et al., <i>Science</i> (1991) 254:1497<br>"Sequence-Selective Recognition of DNA by Strand Displacement with a Thymine-Substituted Polyamide"   |

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*Kathleen Lu*

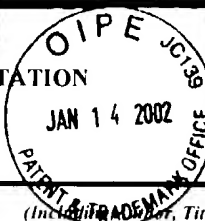
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Hammond et al., 1982, J. Chem. Soc. (Chem. Comm.), Vol. 1982, pp. 344-346

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